- MySQL and CVS upgrades
- Hardware deployment
- Condor / Grid status
- /minos/data file server
- Parrot status
- Minverva / NOVA

MYSQL

- minos-db1 runs mysql 5.0.67 on minos-mysql2
 - minos-db1 network alias moved March 17
 - CRL server is independent, on its own port
 - Support by DBA group (minosdb-support)
- Farm replica moved to minos-mysql1 from fnpcsrv1
 May 12, last scripts gone on May 26
- Analysis replicas are standing by , thanks to rearmstr
 - Not used yet, new server has good capacity

CVS upgrades

- Old CVS server on minos01 is now disabled
 - We had accidentally left the pserver running, causing confusion for one user

Hardware deployment

- /minos/data2 44 TB Hitachi disk added
 - We had borrowed or stolen about 8 TB
 - Initially, saw only 12 TB free, corrected in late May.
 - 36 TB free today
 - Users and analysis files remain on full Nexsan disk
- Plan to move analysis to HDC disk
 - 7 TB used now, need more space
- Bluearc maintenance all day Monday June 22
 - Installing new servers, no immediate change

Hardware deployment

- Will shift the 30 TB Satabeast from Bluearc to Dcache after buying equivalent replacement HDS disk
- Servers
 - minos27 will replace minos01
 - please test
 - missing some compat libraries, will add
 - Minos-sam04 available, not in use yet
 - Planning replacements for minos02-24 now

Condor/Grid status

- Ryan Patterson managing condor
- access from all Cluster nodes
- running on any Femigrid node
- minos_q summary
- Wrapper for condor_rm, condor_hold
 - To prevent SAZ authentication overload
 - Condor 7.3 upgrade will fix this internally

Condor/Grid status

- Scaling to 5K jobs
 - minos25 can probably handle this
 - need upgrade to Condor 7.3x , to prevent authentication floods
 - understand and prevent Bluearc overloads

/minos NFS fileserver

- Performance issues being investigated
 - 20 parallel reads can cause global slowdowns
 - Minos rates slow from 30MB/s to under 1
 - Bluearc latency increases from 5, to over 200 Ms
 - Happens 18:00 to 24:00 Tue/Thu/Sat/Sun
- LOCKING /grid/fermiapp/minos/scripts/cp1
 - uses a single lock file, keep history
 - improving to allow more than one stream

/minos NFS fileserver

- Major hardware upgrade June 21 00:00 to 23:59
 - no effect on performance expected
- Trying /minos/home logins for mindata, minospro et al

PARROT deployment on Fermigrid

- PARROT has problems with SAM projects
 - I have not tracked this down, sorry.

GRID

- Monte Carlo capacity has greatly increased
 - Importing data as before, mcimport on minos26
- TACC (U.T. Austin) Teragrid facility Rashid Mehdiyev
 - facility had over 60K cores
 - local database replica, and squid for Parrot
 - tested MC generatation
 - setting up full ND processing
 - subtle problems with parrot, using local release

Minerva / NOVA

- Will share the Oracle server
 - Load is presently a few percent
 - Upgrading the hardware next year
- Nucomp monthly coordination meeting Lee Lueking
 - includes Mu2e
- IF login cluster
 - Similar to Minos Cluster, but shared